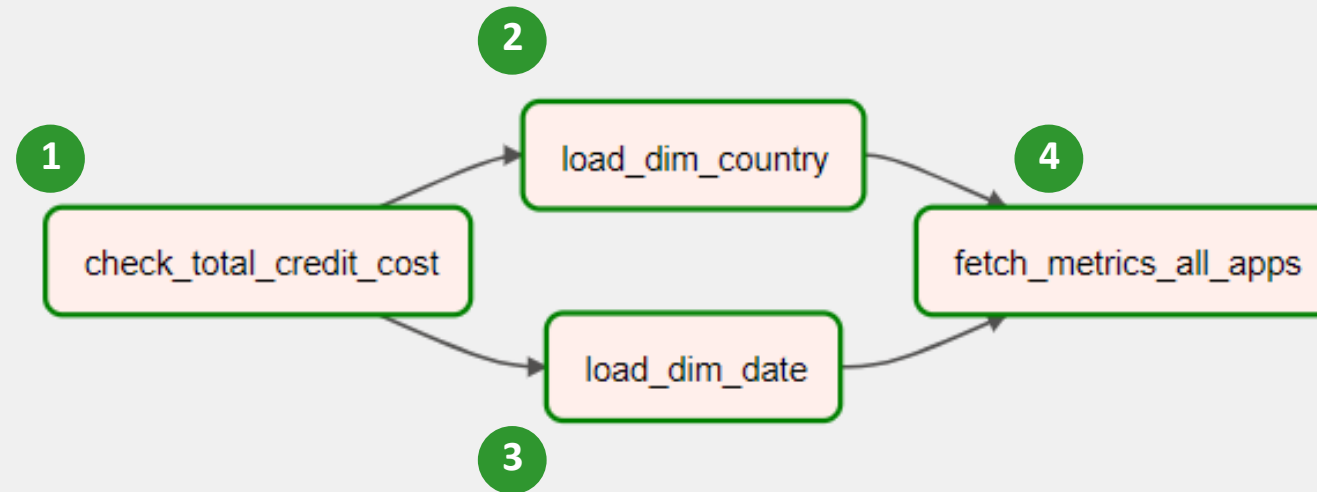
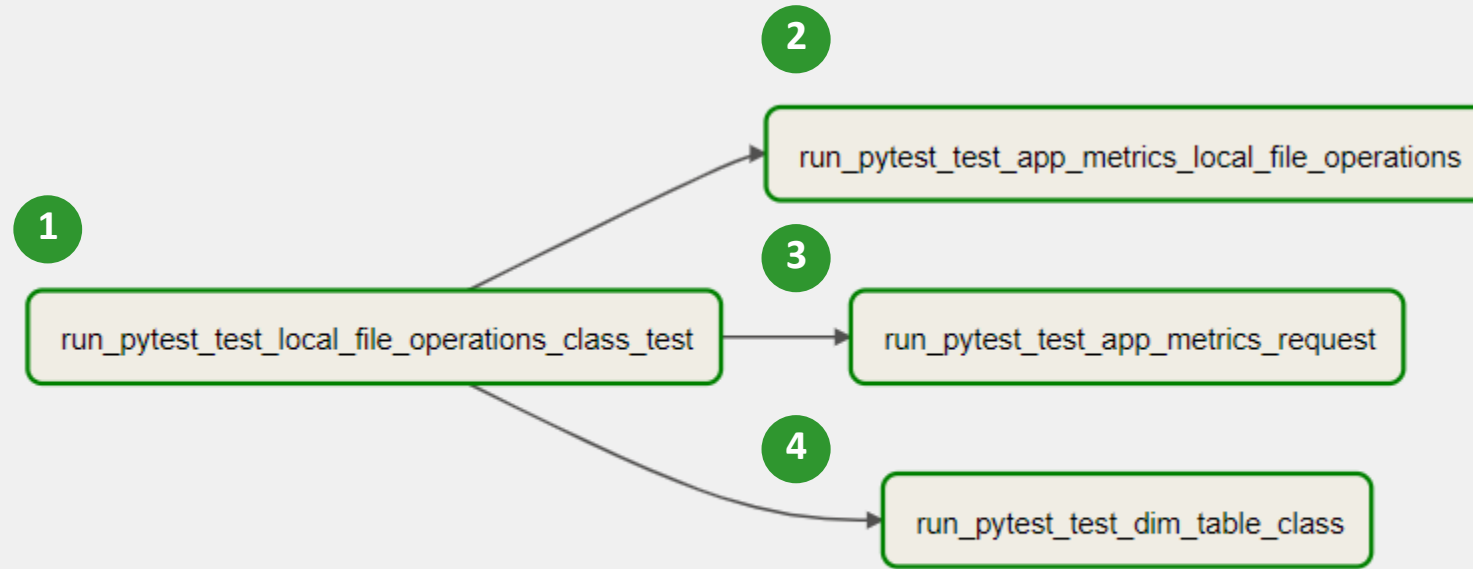


## App Metric ETL Dag



- 1** Calculates the expected cost of the API request and writes the output to the expected cost output folder. If the cost is greater than the budget (Airflow user input), the pipeline is failed.
- 2** Maps all possible AppTweak country codes to their respective full country names.
- 3** Creates a date dimension CSV table (overwrite) on a daily basis from 2010 to the end date parameter. Maps to date key on data produced by the API request.
- 4** Based on user-input files (country list CSVs, music apps Python file) and Airflow variables, sends requests to the AppTweak API and writes the output to CSV files in the respective output folders. Supports full loads from a specified date or delta loads from last run results.

## Test App Metric ETL Dag



- 1 Uses the pytest library to unit test local file operations class (Used in App Metric ETL DAG)
- 2 Uses the pytest library to unit test app\_metrics\_local\_file\_operations class (Used in App Metric ETL DAG)
- 3 Uses the pytest library to unit test app\_metrics\_request class (Used in App Metric ETL DAG)
- 4 Uses the pytest library to unit test dim table class (Used in App Metric ETL DAG)